

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 25	
2. Amendment/Modification No.  0001		3. Effective Date  2010DEC03		4. Requisition/Purchase Req No.  SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By  U.S. ARMY CONTRACTING COMMAND CCTA-AHL ANDRE SHINA (586)282-3750 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL  EMAIL: ANDRE.SHINA@US.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6)  SCD PAS ADP PT			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)				9A. Amendment Of Solicitation No.  W56HZV-11-R-0001			
				9B. Dated (See Item 11) 2010NOV30			
				10A. Modification Of Contract/Order No.			
				10B. Dated (See Item 13)			
Code		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning <u>2</u> signed copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required)							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SEE SECOND PAGE FOR DESCRIPTION							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print)			
15B. Contractor/Offeror  (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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SECTION A - SUPPLEMENTAL INFORMATION  
The purpose of Amendment 0001 to RFP W56HZV-11-R-0001 is:

1. Change paragraph (d)(2)(ii) of clause 52.216-16 to 100 (one hundred) percent from 0 (zero) percent. The revised sub-paragraph now reads:  
  
(ii) If the total final negotiated cost is greater than the total target cost, the adjustment is the total target profit, less 100 (one hundred) percent of the amount by which the total final negotiated cost exceeds the total target cost.
2. Made the following changes to the 'CONTROLLED UNCLASSIFIED INFORMATION' section of the RFP Executive Summary:  
  
(a) Added Attachments 0010 (GCV DRAFT SECURITY CLASSIFICATION GUIDE), 0012 (WORK BREAKDOWN STRUCTURE), and 0025 (GCV IFV SPECIFICATION REQUIREMENTS MATRIX) to the list.  
  
(b) Deleted 'and Attachment 10 (GCV DRAFT Security Classification Guide' from the fourth paragraph of this section and incorporated Attachment 10 in a different context. The sentence now reads: "Offerors must also state in their request that the offeror in possession of the documents will comply with the handling requirements of DoDD 5230.24 and DoDD 5230.25. Upon receipt of the CUI, receiptents will review Attachment 10 (GCV DRAFT Security Classification Guide)and immediately advise the PCO if they are unable to handle the CUI in accordance with the applicable provisions of this attachments. If this is the case, the receiptent shall not view any other portion of the CUI until additional instruction is received."
3. In L.1.3.2 changed 30 November 2010 to 04 January 2011.
4. All other terms and conditions of this RFP, excepted as amended herein remain unchanged.

\*\*\* END OF NARRATIVE A0002 \*\*\*

Notwithstanding the designation on the cover page of this Request for Proposal (RFP), the GCV IFV TD phase contract will not be D0A4 rated and will have no rating until the production phase is initiated.

Additionally, electronic submission of proposals, notwithstanding any such clauses to the contrary in this RFP, is not an acceptable form of proposal delivery. The specific direction for proposal delivery is located in Section L of this RFP.

EXECUTIVE SUMMARY  
Ground Combat Vehicle (GCV) Infantry Fighting Vehicle (IFV)  
Technology Development (TD) Phase  
REQUEST FOR PROPOSAL # W56HZV-11-R-0001

Additional GCV IFV information is contained at the GCV IFV webpage at <http://contracting.tacom.army.mil/majorsys/gcv/gcv.htm>

INTRODUCTION

Request for Proposal W56HZV-11-R-0001 (RFP) is hereby issued by the US Army TACOM Life Cycle Management Command (LCMC) for the TD phase of the GCV IFV program. The Army has established a GCV IFV program to develop and procure ground combat vehicles. The GCV IFV program uses an incremental or block approach to develop and procure ground combat vehicles based on technology maturity, schedule and affordability constraints while addressing key operational gaps.

The first ground combat vehicle will be the GCV IFV offering a highly-survivable platform for delivering a nine-Soldier infantry squad to the battlefield. The GCV IFV is the first vehicle that will be designed and developed to operate in an improvised explosive device (IED) environment and will be highly survivable, mobile and versatile. Future increments are yet to be defined but may be focused on capability improvements and/or additional GCV variants as the Army defines specific requirements.

This RFP represents the Army's sole request for this requirement. The prior solicitation for the GCV IFV TD Phase is cancelled in its entirety and no longer informs this RFP in any fashion.

TECHNOLOGY DEVELOPMENT PHASE AFFORDABILITY

Any proposal received in response to this RFP that proposes a price in excess of \$450,000,000 will be considered unaffordable.

GCV IFV PROGRAM INTENT

The GCV IFV Program's intent is to develop and deliver an affordable and effective infantry fighting vehicle in seven years by utilizing

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mature technologies and focusing on system design that integrates all subsystems and components.

It is the Government's intent for contractors to utilize mature, low-risk technologies. To this end, offerors need to identify their approaches to maximize the inclusion of mature technologies selected, giving consideration to any modifications necessary for effective integration. Offerors may non-developmental, modified non-developmental or developmental solutions. The specific evaluation criteria are described in Section M of this RFP.

The GCV IFV Program is driven to achieve four primary imperatives referred to as the "Big Four". These imperatives have been decomposed into the Tier One (1) GCV IFV Performance Specification requirements.

These "Big Four" imperatives are defined as follows:

-Force Protection is achieving a threshold level of protection for all occupants against the threats identified in the classified annex of the GCV IFV Performance Specification.

-Capacity is a vehicle crew and a fully-equipped nine soldier Infantry squad.

-Full Spectrum is a versatile platform able to adapt and/or enhance capabilities through configuration changes of armor and network while providing for growth over time in terms of size, weight, power and cooling.

-Timing is the delivery and acceptance of the first production GCV IFV vehicle within seven years of the TD phase contract award.

Offerors must balance Affordability with the achievement of the "Big Four" imperatives. The Government's average Unit Manufacturing Cost target for the GCV IFV Program is \$9,000,000 to \$10,500,000 per unit expressed in Government fiscal year 2010 constant dollars (as defined by the 2010 Office of the Secretary of Defense Inflation Guidance FY2011 President's Budget). In addition, the GCV IFV target Operation & Sustainment cost is \$200 per mile expressed in Government fiscal year 2010 constant dollars (as defined by the 2010 Office of the Secretary of Defense Inflation Guidance FY2011 President's Budget).

The GCV IFV has three Tiers of requirements (Tier 1, Tier 2, and Tier 3), the definitions of which are contained in Attachment 026 to this RFP. In responding to the RFP, offerors are encouraged to perform tradeoff analysis within the available trade space of the GCV IFV requirement, defined as the Tier Two and Tier Three requirements listed in Attachment 026, to provide an affordable, capable vehicle within seven years of TD phase contract award.

**GOVERNMENT FURNISHED PROPERTY (GFP)/GOVERNMENT FURNISHED EQUIPMENT (GFE)**

No GFP or GFE is offered as part of this RFP. Offerors may request GFP and GFE as part of their proposals provided they identify the Government Program or Agency that is to provide the GFP/GFE along with documentation that the Government Program Agency agrees to provide the GFP/GFE and the GFP/GFE will be available for the requested period.

**GCV IFV OVERALL PROGRAM APPROACH**

**Technology Development Phase**

The GCV IFV development effort will consist of three phases: Technology Development (TD), Engineering and Manufacturing Development (EMD), and Production and Deployment (PD).

The goal of the TD phase is to reduce overall risk for entering into the EMD phase by developing an affordable, feasible and operationally effective preliminary design. The 24 month period of performance will focus on development of a system design that integrates all subsystems and components to reduce technical risk and balances affordability with system performance.

The key program event of the TD phase is the Preliminary Design Review (PDR) which will be held no later than 18 months after award of the TD phase contracts. Upon completion of the PDR, TD phase contractors will continue to reduce integration risk while maturing their designs and incorporate key findings from the PDR. In addition, TD phase contractors will further refine the Unit Manufacturing Cost (UMC) estimates and focus on the TD phase exit criteria (TBD) during the remainder of the TD phase per the Statement of Work (Attachment 001).

The Government intends to award up to three (3) Fixed Price Incentive Fee(FPIF) contract(s) for the TD phase. The share ratio for overruns is 0/100 (Government/Contractor) and the share ratio for underruns is 80/20 (Government/Contractor). Refer to FAR clause 52.216-16 located at I-132 of this RFP for additional detail regarding Incentive Fee. The share ratios are not subject to negotiation. Proposals offering an alternative share ratio or contract type will not be considered. Selection of the offeror(s) for this phase will be based on the assessment of proposals submitted in response to this RFP and evaluated in accordance with Section M.

During performance of the TD phase contracts, contractors are required to deliver the following two subsystem prototypes: (i) a Mine Blast Subsystem Prototype Test Article; and (ii) a Rocket Propelled Grenade Protection Subsystem Prototype. In addition to these

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required prototypes, offerors may propose prototypes in addition to the two specified to mitigate areas of risk in their proposed initial concepts. However, the Government will not take delivery of any additional prototypes for testing.

A large aspect of the GCV IFV TD phase is preparation for a seamless entrance into the EMD phase. Therefore, as part of its proposal, offerors are required to submit an Integrated Master Plan (IMP) that contains events, accomplishments and criteria through delivery of the First Full-Up Prototype Vehicle (30 months from award of the EMD contract). Similarly, offerors are required to submit an Integrated Master Schedule (IMS) that contains planning packages through delivery of the Early Prototype (-) vehicle (12 months from award of the EMD contract).

Engineering and Manufacturing Development (EMD) phase

The EMD Phase, which is currently planned to be solicited in Fiscal Year 2013, will focus on completing a GCV IFV detailed design, building integrated GCV IFV prototypes, further reducing integration risk and conducting key tests including Production Qualification Testing (PQT), a Limited User Test, and ballistic survivability testing. EMD contracts will include a 48 month period of performance and will be awarded based on a best value source selection to select up to two (2) contractors based upon price, schedule and technical performance. It is the intent of the Army to limit competition to the TD phase contractors. If the Army does not obtain approval for limited competition, then the solicitation for the EMD phase will be issued on the basis of full and open competition.

It is anticipated that the criteria listed below will be principal determining factors in EMD contract award. Detailed evaluation criteria for the source selection are anticipated to be available within the first year of the TD phase.

Potential evaluation criteria, which may change based upon changing circumstances and the needs of the Army, for the EMD competition may include the evaluation of a proposal that:

- Is affordable within the EMD price, UMC targets, and O&S cost targets
- Achieves the Tier 1 GCV IFV Performance Specification requirements
- Exhibits a high level of design maturity (e.g. drawings completed, Substantiating engineering analysis, logical architecture defined, low risk software build plan in place, etc.)
- Provides the warfighter with operational utility
- Achieves identified reliability levels
- Contains a credible EMD plan that includes the delivery of prototypes to test in accordance with the GCV IFV Program Plan (Attachment 008).
- Mitigates integration risks prior to completion of EMD to demonstrate compliance with the GCV IFV Performance Specification established at MS B.
- Has the ability to deliver EMD prototypes with capability to successfully execute the Limited User Test
- Contains an executable EMD schedule to produce, deliver, and test EMD prototypes and prepare for successful delivery of the first production vehicle
- Achieves as much capability of the Tier 2 GCV IFV Performance Specification requirements as possible
- Credibly achieves performance levels between threshold to objective in specified GCV IFV Performance Specification requirements
- Limits restrictions on the Government's ability to use or disclose technical data

At this time, in an effort to reduce integration risk, 15 GCV IFV integrated system prototypes are planned to be required during the EMD phase from each contractor. These include the delivery of 3 integrated Early Prototype (-) vehicles (two for government testing and one delivered to the contractor integration facility for contractor integration testing) prior to the delivery of the 12 First Full-Up Prototype vehicles. The Early Prototypes (-) are to be representative of the target design for the capabilities listed in the EMD solicitation with minimal surrogate hardware and are targeted to support technical risk reduction and design feedback.

In an effort to reduce integration risk, the EMD scope will require the delivery (see Attachment 008) of three (3) Early Prototype (-) vehicles (two for Government testing and one delivered to the contractor integration facility) that contain the following (as such, components (hardware and software) delivered should represent the target design for the capabilities listed with minimal representative (surrogate) supporting hardware/software):

- Hull structure and compartmentation, propulsion system, suspension, power generation, distribution and management, crew/dismount capacity and seating
- Turret structure with compartmentation and primary weapon, coax, CIWS, missile, target acquisition sensors, fire control, target handoff capability (hunter-killer) and manual backup operation of

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- weapons
- Modular armor with attachments
- Associated computing and data distribution infrastructure/architecture (e.g., databus, operating system, middleware)
- Associated crew station (e.g., user interface, inceptor, etc.)

Delivery of Early Prototype (-) vehicles will initiate developmental testing to checkout and verify integrated design capabilities and provide feedback to critical design activities for implementation of appropriate corrective actions ahead of the CDR and delivery of First Full-Up Prototype vehicles.

**Production and Deployment (P&D) phase**

The Government currently plans to solicit for the P&D phase in Fiscal Year 2017, and may award one or more contracts for the P&D phase. It is anticipated that meeting delivery schedules and vehicle pricing will be the principal determining factors in selecting a P&D phase contractor(s). The P&D phase will update the detailed vehicle design in preparation for full rate production. The Government intends to request separate pricing for a Technical Data Package (TDP) to be evaluated as part of the award for the P&D phase.

**MGV BODY OF KNOWLEDGE**

Offerors may choose to leverage the development from the cancelled Manned Ground Vehicle (MGV) program. This data, referred to as the MGV Body of Knowledge (BoK) may be accessed through registration at Federal Business Opportunities (fbo.gov). Registration requires a valid CAGE code that is not currently on the Excluded Parties List (EPLRS). Use of this data is not required for proposal submission. The Government will maintain the MGV BoK at the FBO website until the closing date for submission of proposals.

The link to the FBO website is the following:  
[https://www.fbo.gov/index?s=opportunity&mode=form&id=5b5248bf45d727858bb74a693de21f93&tab=core&\\_cview=1](https://www.fbo.gov/index?s=opportunity&mode=form&id=5b5248bf45d727858bb74a693de21f93&tab=core&_cview=1)

Additional information on accessing the MGV Body of Knowledge is the following:  
<http://contracting.tacom.army.mil/majorsys/gcv/gcv.htm>

**CLASSIFIED INFORMATION**

Classified Information Request Procedures: Offerors must have a valid US security clearance of SECRET or higher in order to respond to this RFP, because the RFP includes an annex classified at the SECRET level which will be released only to offerors possessing the appropriate clearance. All classified material must be handled in accordance with the National Industrial Security Program Operating Manual (NISPOM), DoD 5220.22-M and the DD-254 for this RFP (Attachment 009). The classified annex to the RFP will only be sent on electronic media (CD/DVD). As a result, an Information Systems clearance of at least SECRET will be required to view the Classified Annex to this RFP.

While only a SECRET clearance is required to receive the classified annex to this RFP, contract performance will require SECRET/Special Access Required (SAR) facility and Information System clearances. See Attachments 009 and 010, GCV IFV DRAFT DD-254 and GCV DRAFT Security Classification Guide, respectively, for more information on the requirements for receiving and handling classified information in conjunction with the RFP and resulting contracts.

Requests for the classified portion of this RFP must be made by the offeror's Facility Security Officer (FSO) via e-mail to DAMI\_GCV@conus.army.mil with the title "Request for GCV RFP Classified Annex".

Requests made by other than the FSO will not be processed.

Contractors must destroy classified material received or generated under contracts resulting from this RFP not later than 2 years following completion of the contract or as soon as it is no longer needed, whichever comes first. Firms that do not submit a proposal or who withdraw their proposals must destroy or return classified material generated or received under this RFP not later than 180 days after the opening date of proposals. Firms who submit a proposal that is not accepted by the Government or does not result in a contract award to the firm have 180 days after notification to destroy or return classified information.

The following information must be provided and must match the offeror's information in the Industrial Security Facilities Database (ISFD):

- The Company Name and Classified Mailing Address (must match ISFD information)
- CAGE Code

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- Name of Facility Security Officer (FSO) with Telephone Number(s), Datafax Number, and E-mail Address
- CAGE Code(s) and Address(es) of the Company Facility (Facilities) intended to participate in Proposal Preparation and Performance of the GCV IFV Program where classified material will be utilized.

CONTROLLED UNCLASSIFIED INFORMATION

Controlled Unclassified Information(CUI)Request Procedures: This RFP contains CUI that will only be sent to offerors upon an approved request. The below Attachments and Exhibits contain CUI:

Attachment 0001 (Statement of Work)

Attachment 0002 (GCV IFV Performance Specification)

Attachment 0004 (GCV IFV Reliability Failure Definition and Scoring Criteria)

Attachment 0005 (GCV IFV Operational Mode Summary/Mission Profile)

Attachment 0009 (GCV IFV DRAFT DD-254)

Attachment 0010 (GCV Draft Security Classification Guide)

Attachment 0012 (Work Breakdown Structure)

Attachment 0015 (Equipment Stowage List Requirements)

Attachment 0018 (DOORS GCV IFV Performance Specification)

Attachment 0020 (Subsystem Prototype Test Asset Requirements Matrix)

Attachment 0025 (GCV IFV Specification Requirements Matrix)

Attachment 0026 (GCV IFV Performance Specification Tiered Requirements List\_Compliance Matrix)

Exhibit A (Contract Data Requirements List)

Exhibit B (Government Furnished Information\_Interface Control Documents)

Any CUI material held by an offeror not awarded a GCV IFV TD phase contract shall be destroyed in accordance with the Controlled Unclassified Information document provided with the CUI information 30 days after award of the GCV IFV TD contract or cancellation of this RFP, and destruction receipts certifying destruction will be provided to the Contracting Officer.

In addition, note that certain attachments to the RFP have limited distribution and/or export controlled statements in accordance with DoD Directive, Distribution Statements on Technical Documents. The most restricted level of distribution on CUI is Distribution Statement F.

Offerors must also state in their request that the offeror in possession of the documents will comply with the handling requirements of DoDD 5230.24 and DoDD 5230.25. Upon receipt of the CUI, receiptents will review Attachment 10 (GCV DRAFT Security Classification Guide)and immediately advise the PCO if they are unable to handle the CUI in accordance with the applicable provisions of this attachment. If this is the case, the receiptent shall not view any other portion of the CUI until additional instruction is received.

Requests for CUI documents must made to the Contract Specialist via e-mail at DAMI\_GCV@conus.army.mil with the Subject [Name of Requesting Firm-Request for GCV IFV CUI Documentation] Requests must completely address all information identified above incomplete requests will not be considered. The Government reserves the right to request additional information as required.

Requests for any CUI must clearly state:

- The Company Name and Mailing Address (must match CAGE code address) where the electronic media (CD/DVD) is to be sent
- CAGE Code
- Point of Contact (POC) with Telephone Number(s), Datafax Number, and electronic mail Address
- CAGE Code(s) and Address(es) of the Company Facility (Facilities) intended to participate in Proposal Preparation and Performance of the GCV IFV Program
- In the event your firm does not possess a CAGE code, the Certification of Proposal Preparation and Performance Facility (Facilities) identifying qualification in accordance with paragraph 3.2 of DoDD 5230.25, Withholding of Unclassified Technical Data from Public Disclosure for those companies that do not have a CAGE Code assigned must be completed.

Offerors approved to receive the CUI documents will receive an electronic mail from the Contract Specialist confirming approval of the request. Following approval, the Government will send, via postal mail or an overnight carrier (e.g. FedEx, USPS), the CUI information on a CD-ROM to the address provided in the request.

See Section L of this RFP for proposal submission instructions.

ARMOR RECIPE

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The Army is funding the development of light weight high performance armor, the recipe of which may, at the discretion of the offeror, be utilized to provide the GCV IFV protection levels required by the GCV IFV Performance Specification. The armor recipe is provided in the classified annex to this RFP. There will be no inherent advantage or inherent disadvantage to an offeror that selects the Army armor solution. Each solution will be evaluated on its own merits. It is the responsibility of the offeror to select the armor solution best suited for their design to meet the relevant requirements of the GCV IFV Performance Specification.

WALK-THROUGH OF PRICE VOLUME

At a time to be determined after proposal submission, but not earlier than seven calendar days after, each offeror shall be prepared to provide a walk-through, to be held in a location to be determined within the Detroit Metropolitan Area, of the Price Volume of its proposal for the purpose of enhancing the Government's understanding of the structure and organization of the submitted Price Volume. It is the Government's intention to schedule an appointment for each offeror. The walk through will be determined after receipt of proposals. A time frame of no more than 4 hours will be provided to each offeror. If the Competitive Range has not yet been established, discussions as defined in FAR 15.306(d) will not be permitted during this walk through.

DYNAMIC OBJECT-ORIENTED REQUIREMENTS SYSTEM (DOORS) COMPATIBLE GCV IFV PERFORMANCE SPECIFICATION

A DOORS compatible performance specification is provided as Attachment 0018 to this RFP. If any inconsistency between the DOORS version and the '.pdf' version (Attachment 0002) is present, the requirement as defined by Attachment 0002 prevails.

NOTICE REGARDING SUBCONTRACTING

L.8 Small Business Participation Factor Volume. Percentages are calculated using proposed total CONTRACT Target Price as the denominator and include first tier (refers to subcontracting, not specification level) subcontracting only. Goals for evaluation purposes are contained in M.4.

Section I - Subcontracting Plan clauses. Percentages are calculated based on total SUBCONTRACTING amount as the denominator and include first tier subcontracting only.

H-101 Use of Comprehensive Subcontracting Plan and GCV IFV - Internal Subcontract Reporting. If a Comprehensive Subcontracting Plan is incorporated into a contract resulting from this solicitation, the contractor must submit a report listing total small business subcontracting DOLLARS for first tier subcontracts issued under the contract. No Percentages are required in this report. The report is in ADDITION to any reports required to be submitted into eSRS.

The Period of Performance for this contract will be for 24 months after contract award.

\*\*\* END OF NARRATIVE A0001 \*\*\*

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SECTION I - CONTRACT CLAUSES

<u>Status</u> <u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1 CHANGED 52.216-16	INCENTIVE PRICE REVISION--FIRM TARGET	OCT/1997

\fprql  
(a) General. The supplies or services identified in the Schedule as CLIN 0001 are subject to price revision in accordance with this clause; provided, that in no event shall the total final price of these items exceed the ceiling price of TBD (Equal to Target Price) dollars (\$Equal to Target Price). Any supplies or services that are to be

- (1) ordered separately under, or otherwise added to, this contract and
- (2) subject to price revision in accordance with the terms of this clause shall be identified as such in a modification to this contract.

(b) Definition. Costs, as used in this clause, means allowable costs in accordance with Part 31 of the Federal Acquisition Regulation (FAR) in effect on the date of this contract.

(c) Data submission.

(1) Within 30 days after the end of the month in which the Contractor has delivered the last unit of supplies and completed the services specified by item number in paragraph (a) of this clause, the Contractor shall submit in the format of Table 15-2, FAR 15.408, or in any other form on which the parties agree

- (i) A detailed statement of all costs incurred up to the end of that month in performing all work under the items;
- (ii) An estimate of costs of further performance, if any, that may be necessary to complete performance of all work under the items;
- (iii) A list of all residual inventory and an estimate of its value; and
- (iv) Any other relevant data that the Contracting Officer may reasonably require.

(2) If the Contractor fails to submit the data required by subparagraph (c)(1) of this clause within the time specified and it is later determined that the Government has overpaid the Contractor, the Contractor shall repay the excess to the Government immediately. Unless repaid within 30 days after the end of the data submittal period, the amount of the excess shall bear interest, computed from the date the data were due to the date of repayment, at the rate established in accordance with the Interest clause.

(d) Price revision. Upon the Contracting Officers receipt of the data required by paragraph (c) of this clause, the Contracting Officer and the Contractor shall promptly establish the total final price of the items specified in (a) of this clause by applying to final negotiated cost an adjustment for profit or loss, as follows:

(1) On the basis of the information required by paragraph (c) of this clause, together with any other pertinent information, the parties shall negotiate the total final cost incurred or to be incurred for supplies delivered (or services performed) and accepted by the Government and which are subject to price revision under this clause.

(2) The total final price shall be established by applying to the total final negotiated cost an adjustment for profit or loss, as follows:

- (i) If the total final negotiated cost is equal to the total target cost, the adjustment is the total target profit.
- (ii) If the total final negotiated cost is greater than the total target cost, the adjustment is the total target profit, less 100 (one hundred) percent of the amount by which the total final negotiated cost exceeds the total target cost.
- (iii) If the final negotiated cost is less than the total target cost, the adjustment is the total target profit plus 20 percent of the amount by which the total final negotiated cost is less than the total target cost.

(e) Contract modification. The total final price of the items specified in paragraph (a) of this clause shall be evidenced by a modification to this contract, signed by the Contractor and the Contracting Officer. This price shall not be subject to revision, notwithstanding any changes in the cost of performing the contract, except to the extent that

- (1) The parties may agree in writing, before the determination of total final price, to exclude specific elements of cost from this price and to a procedure for subsequent disposition of those elements; and
- (2) Adjustments or credits are explicitly permitted or required by this or any other clause in this contract.



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- (f) Adjusting billing prices.
- (1) Pending execution of the contract modification (see paragraph (e) of this clause), the Contractor shall submit invoices or vouchers in accordance with billing prices as provided in this paragraph. The billing prices shall be the target prices shown in this contract.
- (2) If at any time it appears from information provided by the contractor under subparagraph (g)(2) of this clause that the then-current billing prices will be substantially greater than the estimated final prices, the parties shall negotiate a reduction in the billing prices. Similarly, the parties may negotiate an increase in billing prices by any or all of the difference between the target prices and the ceiling price, upon the Contractors submission of factual data showing that final cost under this contract will be substantially greater than the target cost.
- (3) Any billing price adjustment shall be reflected in a contract modification and shall not affect the determination of the total final price under paragraph (d) of this clause. After the contract modification establishing the total final price is executed, the total amount paid or to be paid on all invoices or vouchers shall be adjusted to reflect the total final price, and any resulting additional payments, refunds, or credits shall be made promptly.
- (g) Quarterly limitation on payments statement. This paragraph (g) shall apply until final price revision under this contract has been completed.
- (1) Within 45 days after the end of each quarter of the Contractors fiscal year in which a delivery is first made (or services are first performed) and accepted by the Government under this contract, and for each quarter thereafter, the Contractor shall submit to the contract administration office (with a copy to the contracting office and the cognizant contract auditor) a statement, cumulative from the beginning of the contract, showing
- (i) The total contract price of all supplies delivered (or services performed) and accepted by the Government and for which final prices have been established;
- (ii) The total costs (estimated to the extent necessary) reasonably incurred for, and properly allocable solely to, the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established;
- (iii) The portion of the total target profit (used in establishing the initial contract price or agreed to for the purpose of this paragraph (g)) that is in direct proportion to the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established -- increased or decreased in accordance with subparagraph (d)(2) of this clause, when the amount stated under subdivision (g)(1)(ii) of this clause differs from the aggregate target costs of the supplies or services; and
- (iv) The total amount of all invoices or vouchers for supplies delivered (or services performed) and accepted by the Government (including amounts applied or to be applied to liquidate progress payments).
- (2) Notwithstanding any provision of this contract authorizing greater payments, if on any quarterly statement the amount under subdivision (g)(1)(iv) of this clause exceeds the sum due the Contractor, as computed in accordance with subdivisions (g)(1)(i), (ii), and (iii) of this clause, the Contractor shall immediately refund or credit to the Government the amount of this excess. The Contractor may, when appropriate, reduce this refund or credit by the amount of any applicable tax credits due the Contractor under 26 U.S.C. 1481 and by the amount of previous refunds or credits effected under this clause. If any portion of the excess has been applied to the liquidation of progress payments, then that portion may, instead of being refunded, be added to the unliquidated progress payment account consistent with the Progress Payments clause. The Contractor shall provide complete details to support any claimed reductions in refunds.
- (3) If the Contractor fails to submit the quarterly statement within 45 days after the end of each quarter and it is later determined that the Government has overpaid the Contractor, the Contractor shall repay the excess to the Government immediately. Unless repaid within 30 days after the end of the statement submittal period, the amount of the excess shall bear interest, computed from the date the quarterly statement was due to the date of repayment, at the rate established in accordance with the Interest clause.
- (h) Subcontracts. No subcontract placed under this contract may provide for payment on a cost-plus-a-percentage-of-cost basis.
- (i) Disagreements. If the Contractor and the Contracting Officer fail to agree upon the total final price within 60 days (or within such other period as the Contracting Officer may specify) after the date on which the data required by paragraph (c) of this clause are to be submitted, the Contracting Officer shall promptly issue a decision in accordance with the Disputes clause.
- (j) Termination. If this contract is terminated before the total final price is established, prices of supplies or services subject to price revision shall be established in accordance with this clause for
- (1) completed supplies and services accepted by the Government and
- (2) those supplies and services not terminated under a partial termination.

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All other elements of the termination shall be resolved in accordance with other applicable clauses of this contract.

- (k) Equitable adjustment under other clauses. If an equitable adjustment in the contract price is made under any other clause of this contract before the total final price is established, the adjustment shall be made in the total target cost and may be made in the maximum dollar limit on the total final price, the total target profit, or both. If the adjustment is made after the total final price is established, only the total final price shall be adjusted.
- (l) Exclusion from target price and total final price. If any clause of this contract provides that the contract price does not or will not include an amount for a specific purpose, then neither any target price nor the total final price includes or will include any amount for that purpose.
- (m) Separate reimbursement. If any clause of this contract expressly provides that the cost of performance of an obligation shall be at Government expense, that expense shall not be included in any target price or in the total final price, but shall be reimbursed separately.
- (n) Taxes. As used in the Federal, State, and Local Taxes clause or in any other clause that provides for certain taxes or duties to be included in, or excluded from, the contract price, the term contract price includes the total target price or, if it has been established, the total final price. When any of these clauses requires that the contract price be increased or decreased as a result of changes in the obligation of the Contractor to pay or bear the burden of certain taxes or duties, the increase or decrease shall be made in the total target price or, if it has been established, in the total final price, so that it will not affect the Contractors profit or loss on this contract.

(End of Clause)

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SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

L.1 The proposal, subject to the Submission, Modification, Revision and Withdrawal, paragraph of Instructions to Offerors - Competitive Acquisitions (52.215-1, ALT I) contained in Section L of the Request for Proposal (RFP), shall be submitted in the format and quantities set forth below. All information necessary for the review and evaluation of a proposal must be contained in the proposal volumes set forth below. Section M of the RFP sets forth the evaluation criteria and delineates the factors and sub-factors to be evaluated and their relative order of importance. The offeror's proposal, as required by this section, shall be evaluated as set forth in Section M of this RFP. The proposal shall be presented in sufficient detail to allow Government evaluation of its response to the requirements of the RFP. The Government will not assume the offeror possesses any capability, understanding, or commitment not specified in its proposal. It is an offeror's responsibility to submit a well-written proposal, with adequately detailed information which clearly demonstrates an understanding of and the ability to comply with the RFP requirements to allow for a meaningful review.

L.1.1 The offeror's proposal shall be submitted in six (6) separate volumes as set forth below. Unless otherwise specified, it is recommended that proposals be submitted on standard 8.5" x 11" paper with a minimum font size of 10pt. and with a minimum of 0.5" margins. Schedules, drawings and other documents more appropriate to larger paper may be placed on fold out sheets no larger than 11" x 17". A Proposal Executive Summary summarizing your proposal is optional. It will neither be considered as part of the volumes required below nor will it be evaluated. If a Proposal Executive Summary is submitted, it must be submitted as a separate volume from the six (6) volumes set forth below and it is recommended to be no more than twenty (20) pages. The offeror's proposal shall consist of the following volumes:

- a. Volume 1: Technical Factor
  - Chapter 1 Integrated Design
  - Chapter 2 Technical Approach
  - Chapter 3 Unit Manufacturing Cost
- b. Volume 2: Schedule Factor
- c. Volume 3: Price Factor
- d. Volume 4: Past Performance Factor
- e. Volume 5: Small Business Participation Factor
- f. Volume 6: Proposal Terms and Conditions Volume

L.1.1.1 Procedure for Submitting Classified Information (part of Technical Factor):  
Classified information shall be submitted as a stand-alone volume. Do not e-mail or submit any classified information in any of the volumes listed above. The classified information must be received by the due date on the cover sheet of this RFP. This procedure applies to classified information submitted in electronic format as well. When submitting classified information, follow the NISPOM Chapter 5 instructions using the below mailing address:

PEO Ground Combat Systems - GCV Security Office  
ATTN: SFAE-GCS-C  
Mail Stop 505  
6501 E 11 Mile Road  
Warren, Michigan 48397-5000

L.1.1.2 Received proposals that require funding in excess of \$450,000,000 will be considered unaffordable.

L.1.2 Offerors are required to submit both electronic and paper copies of their proposals as follows:

L.1.2.1 Electronic copies: For each volume, submit four (4) identical copies of the proposal on CD-ROM or DVD utilizing Microsoft (MS) Word, MS Excel, MS PowerPoint, MS Project, MS Access, OpenPlan or PDF compatible formats. All MS files shall be 2003/2007 compatible unless otherwise indicated. Drawings shall be provided in PDF format except where other formats are specified below (e.g. PRO-E). Engineering drawings that are not practical for hard copy may be submitted solely in electronic format, but shall be on separate CD-ROMs/DVDs as an appendix to the Technical Factor Volume.

L.1.2.2 Paper Copies: Submit three (3) identical sets of paper copies of each volume.

L.1.2.3 Each CD-ROM or DVD shall be labeled so that it is easily identifiable for evaluation purposes (example Technical Volume, Set 1 of 4, CD 1 of X), and shall also include the offeror's name and the RFP number. Each volume shall include a (i) title page, (ii) table of contents, and (iii) list of tables and figures. Each page of the proposal shall be numbered, and each paragraph of the proposal shall have a reference number. List all attachments and substantiating data in the table of contents under the specific sub-factor (if applicable) it supports. The table of contents shall include the following information for each sub-factor (if applicable), attachment and/or substantiating data listed:

Cross-reference to related Section L paragraph number  
Page number  
CD-ROM or DVD Volume and number  
File Name

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L.1.3 Offerors are advised that Government support contractors (GSCs) that are employees of Jacobs Technology, Inc., MANTECH IS&T and NCI(information identified below) may serve as evaluators in, or provide support to, the source selection process.

L.1.3.1 The individuals will be authorized access only to those portions of the proposal data and discussions that are necessary to enable them to perform their respective duties. The GSCs are expressly prohibited from competing on the subject acquisition. In accomplishing their duties related to the source selection process, the GSCs may require access to proprietary information contained in the offeror's proposal. To expedite the evaluation process, each offeror must contact the GSCs to effect execution of an agreement referenced below prior to the submission of proposals. Pursuant to FAR Part 9.505-4, the GSCs must execute an agreement with each offeror that states that they will (1) protect the offeror's information from unauthorized use or disclosure for as long as it remains proprietary, and (2) refrain from using the information for any purpose other than that for which it was furnished.

L.1.3.2 By 04 January 2011, offerors should submit to the Government the agreements that have been executed with the below listed GSCs as of that date and identify those GSCs where discussions are still ongoing, including an estimated date of completion. Offerors shall provide a list of any issues associated with executing agreements with the GSCs. These documents shall be sent to the Contracting Officer via electronic mail to DAMI\_GCV@conus.army.mil or via postal mail to Greg Donahoe, Contracting Officer, US Army TACOM, 6501 E. Eleven Mile Road, Mailstop 509, Warren, MI 48397-5000. The executed agreements shall still be included within the proposal. If an offeror feels they will not be able to reach an agreement with any of the listed GSCs below they shall immediately notify the Contracting Officer via electronic mail at DAMI\_GCV@conus.army.mil.

L.1.3.3 The contact information for the GSCs identified above is the following:

Jacobs Technology, Inc.  
2010 Lewis Turner Blvd.  
Fort Walton Beach, FL 32547-1352  
(850) 863-7000 x211  
POC: Mr. Gary Thomas

MANTECH Information Systems & Technology Corporation  
14280 Park Meadow Drive  
Suite 400  
Chantilly, VA 20151-2281  
(703) 674-2653  
POC: Mr. Charles Smith

NCI  
6501 E. 11 Mile Rd.  
Mail Stop 444  
Warren, MI 48397-5000  
(586) 282-8410  
POC: Mr. Philip Schuster

L.1.4 Submission Due Date. The offeror's proposal shall be received at the address set forth below no later than 1:00 PM ET on 21 January 2011. The offeror must ensure its proposal, in its entirety, reaches its intended destination before the date and time set for closing of the RFP.

L.1.5 After compiling all of the required information, submit the proposal to the address below. All proposals delivered in response to this RFP, whether hand-carried or submitted via U.S. mail, shall be addressed as follows:

US Army TACOM  
Attn: GCV Proposal  
Bid Lobby  
6501 E. Eleven Mile Rd.  
Warren, MI 48397-5000

RFP Number: W56HZV-11-R-0001

21 January 2011, 1:00 PM ET

TO BE DELIVERED UNOPENED

(Offeror's name)

L.1.6 Method of Submission. Proposals may either be hand-carried or submitted via US mail. Electronic mail or facsimile of proposals

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and modifications are not authorized. Hand-carried submissions\* include proposals delivered by commercial carriers such as FedEx, UPS or services other than the US Postal Service. Hand-carried proposals must be delivered to the Detroit Arsenal (DTA) Mail Handling Facility (Building 255) between the hours of 8:00 AM and 1:00 PM EDT. The package(s) will be dated and time stamped at the Mail Handling Facility and the Government will be responsible for forwarding the package(s) to the appropriate personnel. Offerors should ensure that any commercial carrier it uses has a tracking system that can provide documentation that will prove the date and time of delivery to the Government. If the proposal is hand-carried by other than a commercial carrier, the delivery person (even if an employee of the offeror) must be a US citizen, and must obtain a signed receipt, indicating date and time of delivery, from Mail Handling Facility personnel.

\*Directions to DTA: From Van Dyke Avenue, travel west on East 11 Mile Road to railroad track. Immediately after crossing railroad track, turn right into DTA main gate and follow security officer directions to the Mail Handling Facility (Building 255). It may be necessary for the delivery person to obtain a visitors badge prior to being allowed to enter the installation. If so, the security officer will advise the delivery person of the procedures to follow.

Exterior envelopes must identify the RFP number and date specified for receipt of proposals.

Offerors are cautioned that approval to enter the installation must be obtained prior to the closing date for receipt of proposals. Follow the procedures outlined above for entry. Due to security procedures, delays are probable at the entry point and offerors must plan to accommodate them.

L.2 Specific features or characteristics of the proposal or entire documents (i.e. Integrated Master Plan and Integration Master Schedule) submitted with the proposal may be incorporated into the contract at time of award.

L.3 Alternate Proposals. Offerors may submit multiple alternate proposals with differing approaches to meeting the requirements. The Government will separately evaluate each alternate proposal received. Therefore, each alternate proposal submitted must be a complete, comprehensive, stand-alone proposal, which is fully responsive to the information requested in the RFP. Alternate proposals must be clearly identified and submitted separately with their own proposal set of CD-ROMs/DVDs. All proposals shall clearly identify the purpose of the alternate proposal and highlight the differences from its other proposals submitted. An offeror, as either a prime or joint venture partner, will only be eligible for one (1) award, regardless of the number of proposals it submits.

L.4 Technical Factor Volume. The Technical Factor Volume shall include the following chapters: (i) Integrated Design, (ii) Technical Approach and (iii) Unit Manufacturing Cost. Offerors are responsible for including sufficient detail to permit a complete evaluation. The Technical Factor Volume shall have an index which contains narrative titles which are cross-referenced to the applicable Statement of Work (SOW) paragraph or the GCV IFV Performance Specification requirements included in Attachment 025. Any information provided as part of the Technical Factor Volume may be used to correlate the evaluation of the other proposal volumes.

L.4.1 Technical Factor (Factor 1)

L.4.1.1 Integrated Design (Sub-factor 1)

L.4.1.1.1 Using the Product Structure Example (Attachment 013), the offeror shall submit its own Product Structure showing its proposed subsystems, Equipment Stowage List Requirements (Attachment 015) and components that form the basis of its GCV IFV initial concept and is consistent with its technical approach submitted in L.4.1.2.1. The Product Structure Example (Attachment 013) illustrates the minimal level-of-detail expected for all subsystems in the offeror's Product Structure. Weight, power consumption and cooling/heat rejection estimates shall be provided for each subsystem/component assembly on the Product Structure the offeror proposes to use in developing weight, power generation and cooling estimates that underpin its GCV IFV initial concept. The Product Structure shall also include the Computer-Aided Design (CAD) Model (see L.4.1.1.2) part/assembly numbers.

L.4.1.1.2 The offeror shall submit, in a PRO-E version Wildfire 4.0 or later CAD Model (CAD Model) and Product View formats, the following information (the offeror shall be responsible for assuring that the Product View format accurately represents the CAD Model. The CAD Model shall be fully assembled at the top level assembly and capable of being opened properly without errors. The fully assembled CAD Model may have shrink-wrapped major component assemblies below the installation level, but not above the component assembly level as defined in Attachment 013. The Product Structure, CAD Model tree structure, bill of materials and weight breakdown (summary and detailed) shall be traceable to each other and component/assembly names and numbers as applicable should match and trace to the naming conventions of the Product Structure):

(a) Its GCV IFV initial concept, consistent with its technical approach submitted in L.4.1.2.1, including the complete physical integration of all subsystems. The offeror shall provide additional narrative describing the overall physical arrangement of its GCV IFV initial concept and the desired physical location of subsystems with rationale as to why the system is configured as proposed.

(b) Stowage locations of all items listed in the Equipment Stowage List Requirements (Attachment 015) the offeror proposes for integration.

(c) MANPRINT information:

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(i) the crew and the nine-person Infantry squad in their accommodations along with their ingress and egress points. The offeror shall use a weight of 216 lbs. per Soldier for weight estimation purposes;

(ii) a representation of where it proposes the controls/display/interface/control panels will be placed for both the vehicle crew and Infantry squad leader;

(iii) the crew and Infantry squad compartments shall demonstrate that the central 90% Land Warrior 2 Soldier figures in Personal Protective Equipment (PPE) can be accommodated using the anthropometric crew dimensions provided in the Provided Crew Dimensions (Exhibit B). The crew stations shall show, in separate depictions, that all Land Warrior 2 Soldier figures can be accommodated. The Infantry squad compartment shall depict the nine-person Infantry squad using only the Large Male Figure 7 from Exhibit B for all Infantry squad members; and

(iv) the crew, comprised of all Land Warrior 2 Soldier figures of Exhibit B in separate depictions, can be accommodated in open hatch positions with interior illustration of seating and/or standing platforms and rear air guard station design.

(d) Accommodations for its proposed approaches submitted in response to L.4.1.1.3 and L.4.1.1.5.

L.4.1.1.3 In narrative form, the offeror shall describe in detail its proposed approach in meeting the Integrated Design Space & Weight and Integrated Design MANPRINT Tier 1 requirements specified in Attachment 025. In addition, the offeror shall describe in detail the proposed performance against the Integrated Design Space & Weight and Integrated Design MANPRINT Tier 2 requirements specified in Attachment 025.

L.4.1.1.4 Force Protection. The offeror shall submit:

(a) In narrative form, a detailed description of its proposed approach to meet the Tier 1 Force Protection requirements specified in Attachment 025 (including performance, if any, above the threshold up to the objective against the underbody Improvised Explosive Device threats specified in the GCV IFV Performance Specification requirements 1925 and 1827) and the proposed performance against the Tier 2 Force Protection requirement specified in Attachment 025. The offeror shall submit substantiating data in support of its proposed approach. This description shall identify any installed performance issues/degradations associated with integration of the proposed approach onto the GCV IFV.

(b) In narrative form, a detailed description of its proposed armor approach and classified depictions of the GCV IFV armor coverage for both Base and Level 1 protection approaches to include underbody protection showing armor coverage areas, armor/protection level transitions with substantiating data as to how the approach will meet the Tier 1 Force Protection requirements specified in Attachment 025 (including performance, if any, above the threshold up to the objective against the underbody Improvised Explosive Device threats specified in the GCV IFV Performance Specification requirements 1925 and 1827). Armor solutions proposed by the offeror shall (i) indicate the Technology Readiness Level (TRL) the armor is currently at, and (ii) describe the testing, analysis and modeling and simulation (M&S) the armor has undergone to substantiate the claimed TRL. The test, analysis and M&S descriptions/substantiating data should include how many armor coupons were shot, how many shots per coupon, at what obliquities, under what environmental conditions, what threats were used, at what velocities, what temperature cycling and what vibration cycling the coupons have undergone.

(c) In narrative form, the vulnerability reduction measures the offeror has proposed in its GCV IFV initial concept to meet the Tier 1 Force Protection requirements specified in Attachment 025 (including performance, if any, above the threshold up to the objective against the underbody Improvised Explosive Device threats specified in the GCV IFV Performance Specification requirements 1925 and 1827). The narrative shall describe how the overall vehicle layout has been arranged to mitigate vulnerabilities, how the crew and mission critical subsystems have been compartmented or separated from energetics and flammables, and how behind-armor effects reduction measures have been implemented to increase vehicle occupant survivability and injury reduction.

(d) A depiction of two planes of emergency egress paths within the CAD Model delivered under Section L.4.1.1.2, and a narrative describing the estimated egress times of all platform occupants.

L.4.1.1.5 Open Systems Architecture (OSA)

L.4.1.1.5.1 The offeror shall describe in detail its proposed approach to meet SOW C.20.4. The offeror shall describe in detail its proposed approach in meeting the Integrated Design OSA Tier 1 requirement(s) specified in Attachment 025 and the proposed performance against the Tier 2 Integrated Design OSA requirements specified in Attachment 025. The offeror shall describe its approach on the application of open and commercial standards, protocols, reduction of unique computing environments and electronic components providing common vehicle functions. The offeror shall describe how it implements OSA in its GCV IFV initial concept. The offeror shall describe the analysis techniques and tools it plans to use to determine the basic sizing, growth and architectural design requirements for the electronic/computing and software systems architectures for its proposed GCV IFV. The offeror shall provide estimates of Source Lines of Code (SLOC) to substantiate the software development required in its architecture to meet GCV IFV requirements, including newly-developed code. The offeror shall identify the inputs and assumptions used to generate the SLOC estimate. The offeror shall describe its strategy for developing a GCV IFV software architecture that promotes interoperability, reduces development time, mitigates technology obsolescence and reduces life cycle ownership costs by minimizing the number of operating systems and common operating environments across its software development teams and subcontractors. The offeror shall identify the risks in delivering a fully

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integrated OSA design.

L.4.1.1.5.2 The offeror shall describe its concept for vehicle computing and electronics infrastructure architecture to include video processing to meet the requirements for open system, modularity, scalability, and upgradeability and how it permits migration to functionally-integrated solutions which eliminate the need for separate Line Replaceable Units (LRUs) for vehicle and network computing. The offeror shall include architectural analyses that describe: computing resource sizing estimates, flexibility and expansion (see Attachment 025), data bus capacity estimates, unique I/O, memory, backplane approach, and the number of different operating and middleware systems.

L.4.1.1.6 Mobility. The Offeror shall submit:

(a) In narrative form, a detailed description of its proposed GCV IFV Mobility architecture, its proposed approach in meeting the Tier 1 Mobility requirements specified in Attachment 025 and the proposed performance against the Tier 2 Mobility requirements specified in Attachment 025. The offeror shall submit analyses and substantiating data in support of its proposed architecture as well as the additional data listed in Attachment 025 to support its approach.

(b) In narrative form, a description of its proposed propulsion and power generation architecture approach to include rationale describing how the sizing/capacity of the power generation system in the proposed GCV IFV integrated design was determined and its approach to the energy efficiency requirement with any analyses performed in the development of these assertions.

(c) In narrative form, a description of the proposed GCV IFV thermal architecture to include rationale on how the selected size of the cooling system in its GCV IFV initial concept for both mission related thermal loads as well as propulsion system cooling was determined. The narrative shall also include a description of all the cooling system subcomponents such as the ballistic grills, heat exchangers, fans, and pumps as utilized.

L.4.1.1.7 Lethality. The offeror shall submit in narrative form, a description of its proposed GCV IFV Lethality architecture and the proposed performance against the Tier 2 Lethality requirements specified in Attachment 025. The narrative shall include detailed rationale describing how the performance for its GCV IFV initial concept was determined, substantiated with any analyses/modeling performed in the development of its proposed architecture as well as the additional data listed in Attachment 025.

L.4.1.2 Technical Approach (Sub-factor 2)

L.4.1.2.1 In a concise and logical manner, the offeror shall describe: (a) its overarching cost/schedule/performance trade-off/analysis process and how it is tailored for the GCV program, and (b) its detailed approach in applying its overarching process to arrive at its GCV IFV initial concept it proposes to meet all of the Tier 1 requirements and as many of the Tier 2-3 requirements (defined in Attachment 026) as possible to balance the achievement of the Unit Manufacturing Cost (UMC) target while minimizing the schedule risk in meeting the program's year 7 production date goal (see SOW C.1). This description shall include any requirements trade-offs, to include (i) the hierarchy of system/subsystems trades underpinned by operational effectiveness considerations/analysis, and (ii) UMC and schedule risk considerations it proposes to make in the major capability areas of Mobility, Lethality and Survivability, including the details as to how any of these initial trades were made.

L.4.1.2.2 The offeror shall submit an Integrated Master Plan (IMP) that: clearly defines the offeror's master plan for the contract; identifies key events, accomplishments and criteria; is traceable to and consistent with the Integrated Master Schedule (IMS), and is consistent with DI-OT-10-10119 in Exhibit A. The key events shall include, but are not limited to, a System Requirements Review (SRR), a System Functional Review (SFR) and a Preliminary Design Review (PDR). The IMP shall contain events, accomplishments and criteria through delivery of the First Full-Up Prototype Vehicle in the EMD phase that are descriptive, concise and specific to the offeror's GCV IFV development and design. Each IMP task shall have a task description that briefly describes the task that includes inputs required for successful accomplishment of the task, the accomplishment criteria and outputs for the task.

L.4.1.2.3 The offeror shall describe in detail the systems engineering approach, methodology and activities it proposes to employ to execute the GCV IFV TD phase contractual requirements and delivery of the First Full-Up Prototype Vehicle in EMD to include the following:

(a) Identify all the systems engineering and design engineering specific tasks required to execute the program up to the First Full-Up Prototype Vehicle delivery in EMD;

(b) Describe the requirements development and management activities and describe the supporting tools to be used to ensure traceability, validation, and verification through the development process;

(c) Describe the architecture development activities, the tools/models to be used to ensure linkage between different views, and the relation of the architecture models to the design descriptions and feedback into the requirements development;

(d) Describe the risk management activities and risk mitigation strategies to be used to identify technical, integration, cost, and schedule risks;

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(e) Identify the specific technical, integration, cost and schedule risks in its technical approach and the risk mitigation plans it proposes to employ to successfully complete the GCV IFV TD phase;

(f) Describe how physical and functional interface requirements and interdependencies are identified. Specifically include a discussion of performance modeling and simulation studies, and other design processes and methods proposed to allocate the requirements, optimize the design and validate the design;

(g) Describe how the system design will be captured, documented and maintained to include allocation of requirements to the subsystem levels;

(h) Describe how the systems engineering design activities will result in the establishment of the allocated baseline (including the allocation of requirements to software) by PDR, and

(i) Describe the iterative approach to hardware and software integration leading up to and inclusive of system integration laboratories (SILs) and final vehicle integration to include maintaining configuration control throughout the integration process as changes are made.

L.4.1.3 Unit Manufacturing Cost (UMC) (Sub-factor 3)

The Government has determined that the UMC range for the GCV IFV is \$9.0 million to \$10.5 million (expressed in Government fiscal year 2010 constant dollars, as defined by the 2010 Office of the Secretary of Defense Inflation Guidance FY2011 President's Budget). The offeror shall provide a UMC estimate consistent with its GCV IFV initial concept that addresses the following:

(a) The manufacturing cost includes the costs of material, labor, and other expenses incurred in the fabrication, checkout, and processing of parts, subassemblies, and major assemblies / subsystems needed for the final system. The manufacturing cost also includes costs of subcontractors and purchased parts/equipment. The manufacturing cost further includes costs of the efforts to integrate and assemble the various subassemblies into a working system, costs to install special and general equipment, and costs to paint and package the system for shipment to its acceptance destination. It also includes moves in order to assemble into a final system (the Manufacturing Cost definition is taken from the Department of the Army Cost Analysis Manual).

(b) The offeror shall not generate a UMC estimate related to the Network Integration Kit (NIK) hardware. Rather, the offeror shall use a value of \$450,000 and shall clearly identify this as the Government-provided estimate for NIK hardware (which includes the hardware defined in the NIK Interface Control Document). The offeror shall generate a UMC estimate for the integration of the NIK hardware into its GCV IFV initial concept and shall also generate UMC estimates for all other components of its GCV IFV initial concept.

(c) The offeror's UMC estimate shall be based on the production of Level 0 protection packages for all GCV IFVs and Level 1 protection packages for one third of GCV IFVs.

(d) For the purposes of the UMC estimate, the offeror shall assume a steady-state production rate of 200 GCVs per year over a 10-year planning horizon.

(e) The UMC estimate shall be provided in Government fiscal year 2010 constant dollars (as defined by the 2010 Office of the Secretary of Defense Inflation Guidance FY2011 President's Budget).

(f) The UMC estimate shall be broken out to at least the fourth level of the WBS (see the Database2.mdb MS Access file, UMC table of Exhibit C).

(g) The offeror shall provide a summary of the basis of the estimate. This basis of estimate shall, at a minimum, include: the cost estimating methodology for each line item in the estimate (e.g., expert/engineering opinion, analogy, parametric, actual cost history, etc.); key back-up data; and significant ground rules and assumptions. The BOE Filename for each WBS element shall be provided in Exhibit C (Database2.mdb MS Access file, UMC table).

(h) Attachment 012 and the Database2.mdb file, UMC table of Exhibit C are two representations of the WBS. The offeror shall not modify the provided Attachment 012 (WBS) for the purpose of responding to the UMC data request. Any changes to the WBS for the purposes of the UMC estimating methodology must be made in the Database2.mdb file, UMC table of Exhibit C. The offeror may not make any changes to the WBS in the Database2.mdb file, UMC table of Exhibit C above Level 4. For any additions, the "WBS Number" field, the "WBS Level" field, the "Parent " field, the "WBS Description" field and the "WBS Definition" field must be completed. If a BOE is submitted for that WBS element then, the "Used" field must be checked. For any Level 4 or lower WBS element not included in the offeror's proposal, the "Used" field must be un-checked. Data may be entered in the UMC table using the UMC form.

L.5 Schedule Factor Volume. The Schedule Factor Volume is comprised of a single chapter. Offerors are responsible for including sufficient detail to permit a complete evaluation. Any information provided as part of the Schedule Factor Volume may be used to correlate the evaluation of the other proposal volumes.

L.5.1 Integrated Master Schedule (IMS)



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L.5.1.1 The offeror shall submit an IMS consistent with DI-MGMT-81650(T) in Exhibit A that supports and is consistent with the IMP. It shall consist of a detailed plan for the initial six (6) months of contractual effort, and planning packages shall be utilized beyond the detailed plan. The IMS shall run through delivery of the Early Prototype (-) vehicle in the EMD phase. The electronic version of the IMS shall be submitted on a separate CD-ROM and shall adhere to the following:

- (a) The IMS shall be submitted in a MS Project (2007) file. The file shall be unlocked and, in addition to typical schedule specific information, shall include the following for each activity:
  - (i) Work Breakdown Structure (WBS) number;
  - (ii) Crosswalk to Integrated Master Plan Accomplishment Criteria;
  - (iii) Responsible organizational entity; and
  - (iv) Crosswalk to Basis of Estimate (if applicable).

(b) The offeror shall submit an explanation for "hard" constraints (e.g., Must Start On, Must Finish On, Start No Later Than, Finish No Later Than, etc.).

- (c) The IMS shall contain clear, logical, unambiguous and meaningful activities, with activity names/descriptions clearly describing the work being accomplished by that task. To this end, the IMS shall consist of no more than 5,000 activities (excluding Summary activities). If the offeror provides an IMS with more than 5,000 activities, only the first 5,000 activities listed will be evaluated. In order to facilitate evaluation, the IMS shall not include:
- (i) Level of Effort activities;
  - (ii) Duplicate activities (i.e., the same activity shall not be included more than once in the schedule network);
  - (iii) Regular recurring deliveries (i.e., deliveries that occur every month or quarter);
  - (iv) Regular recurring meetings (i.e., monthly Program Management Reviews, etc), and
  - (v) IMP Significant Accomplishments / Accomplishment Criteria / Completion Criteria as activities.

(d) The offeror shall submit a credible IMS by ensuring that activity durations are realistic and activities are appropriately linked both horizontally and vertically.

(e) The offeror shall submit a narrative, limited to two pages, describing the overall schedule construction methodology. This narrative shall include the schedule margin approach utilized.

(f) The offeror shall provide network precedence diagrams formatted to fit on one (1) E-size sheet (approximately 36" x 60"). Each activity box shall include: activity identification code, unique identifier, activity description, activity duration in days, total float in days, WBS, Basis of Estimate crosswalk (if applicable), early start/finish dates. The linkage / relationship between each activity box shall be represented to include a description of the linkage (i.e. Finish-to-Start, Start-to-Start, Finish-to-Finish, etc.) and the amount of lag if any. Network precedence diagrams shall be provided with critical path and three near-critical paths to subsystem demonstrator deliveries, Early Prototype (-) vehicle delivery and all major IMP Program Events.

L.5.1.2 The offeror shall provide a high level program chart which shall include, but is not limited to, major program milestones / significant events and bars representing summaries of the work leading to them.

L.5.2 Technology Maturity Self-Assessment

To reduce technology risk, it is intended that all proposed technologies should be no less than Technology Readiness Level (TRL) 6 at the beginning of the TD phase. The offeror shall submit a self-assessment in the format provided in Technology Readiness Level Self-Assessment Form (Attachment 023), based on the Technology Readiness Level Definitions (Attachment 014), for the technologies it proposes to successfully develop and design its GCV IFV within the TD phase. In addition to its self-assessment, the offeror shall submit substantiating data for each subsystem identified in its Product Structure (provided in L.4.1.1.1), regardless of TRL, to substantiate the offeror's technology maturity claims. If an offeror proposes technologies less than TRL 6, and where technologies that are assessed as TRL 6 or higher but are being modified for its GCV IFV initial concept, the offeror shall submit rationale/plan and a technology risk assessment with supporting detail describing the risk mitigation activities required, to include back up technology implementation (traceable to the IMS) to adapt/develop and integrate the subsystem into its GCV IFV initial concept.

L.5.3 The offeror shall submit any substantiating data in the form of completed trade studies and analysis that details the technical development and design efforts (summarized in L.4.1.2.1 and L.4.1.2.3) completed in support of its GCV IFV initial concept represented by the CAD Model delivered under L.4.1.1.2.

L.6 Price Factor Volume: The Price Factor Volume is comprised of a single chapter. Offerors are responsible for including sufficient detail to permit a complete evaluation. Any information provided as part of the Price Factor Volume may be used to correlate the evaluation of the other proposal volumes.

L.6.1 Price Factor (Factor 3)

As noted in CLIN 0001, offerors shall submit a Target Price consisting of a Target Cost and Target Profit. The Target Price is equal to

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the Ceiling Price. Offerors shall submit the information as identified below.

L.6.1.1 Electronic spreadsheet files (Workbooks) shall be MS Excel Office 2003/2007 compatible. Workbooks must be sent in a format that includes all formulas, functions, macros, computations or equations used to compute the proposed amounts. There can be no cell references to data or files not included in the Price Volume. For each Workbook, all Rows, Columns, Cells, and Worksheets must be Visible (object.Visible=True). Zero height/ Zero width rows/columns in Worksheets are not be acceptable. Worksheet cells formatted with the Font color equal to the Fill color are unacceptable. If Workbooks or Worksheets are password protected, then the password(s) must be provided. Print image files or pictures (for example a picture of an Excel spreadsheet embedded in a word document) or files containing only values are not acceptable. Supporting narrative, including Basis of Estimate (BOE) sheets, shall be provided in files which are MS Excel or MS Word 2003/2007 compatible. BOEs may not be submitted as pictures. Text or spreadsheets used as supporting rationale within a BOE may not be included as a picture.

L.6.1.2 Table of Contents: The offeror and each Major & Non-Major Subcontractor shall provide a Table of Contents showing each file submitted as a part of the L.6 Price Volume with a short description of the contents of the file. Each of these entries in the Table of Contents shall be hyperlinked to the respective files.

L.6.1.3 The offeror and each Major Subcontractor shall complete the information required by columns A-G in the MS Excel "spreadsheet logic" worksheet, Attachment AA of Exhibit C (see example in worksheet "example"). The cost element names, in column A, shall include each of the cost elements used in the offeror's / Major Subcontractors' spreadsheets.

L.6.1.4 In accordance with FAR clause 52.214-35 (Submission of Offers in U.S. Currency), all costs must be in U.S. dollars only, including amounts for the offeror and any potential subcontractors. If the basis for the proposal is any other currency, the offeror shall:

- (a) State the exchange rate(s) being used to convert any currency to U.S. dollars and how the exchange rate was developed.
- (b) Explain how you intend to deal with the risk that fluctuation in exchange rates may impact this prospective contract.

L.6.1.5 Cost and Pricing information should be provided as described below:

L.6.1.5.1 At a minimum, BOE sheet(s) for each Level 4 WBS element shall be provided (see WBS in Attachment 012 and the Database2.mdb MS Access file, WBS table of Exhibit C). BOE sheets for a lower level WBS may be provided if the offeror feels it better explains their allocation/estimation of effort. The data presented in the BOE sheet(s) must track to the data in Attachment X of Exhibit C. Only the offeror shall complete Attachment X of Exhibit C. Major Subcontractors are not required to complete Attachment X of Exhibit C. Any discrepancies between the data in the proposed spreadsheets, the BOEs, Attachment X and the BOEs table of the Database2.mdb MS Access file of Exhibit C must be explained.

In addition, the offeror and each Major Subcontractor shall provide the data required for the BOEs table of the Database2.mdb MS Access file of Exhibit C as appropriate. BOE file names must not contain any of the following characters: ":", "/", "?", "#", "[", "]", "@", "!", "\$", "&", "'", "(", ")", ":", ":", ":", "+", ",", ";", or "=". For direct labor, subcontracts, material and ODCs/Travel as specified below, the time phasing shall be monthly. BOE sheets shall not reference documents not included in the proposal.

Any changes to the WBS must be made in the Database2.mdb MS Access file, WBS table of Exhibit C. Attachment 12 is provided solely for reference and tracks to the Database2.mdb MS Access file provided in Exhibit C. The offeror may not make any changes to the WBS in Database2.mdb MS Access file, WBS table of Exhibit C above Level 4. For any additions to the Database2.mdb MS Access file, WBS table of Exhibit C, the "WBS Number" field, the "WBS Level" field, the "CLIN" field, the "Parent " field, the "WBS Description" field and the "WBS Definition" field must be completed. If a BOE is submitted for that WBS element, then the "Used" field must be checked. For any Level 4 WBS element not included in the offeror's proposal, the "Used" field must be un-checked. For each Level 4 WBS element where the "Used" field is checked the "Start Date" field and the "End Date" field must be completed using the "dd/mm/yyyy" format (e.g. 1/1/2011). Data may be entered in the WBS table using the WBS form.

BOE sheets shall include:

L.6.1.5.1.1 Direct Labor. For direct labor include the following:

- (a) A monthly time-phased breakout of the direct labor hours, by proposed labor category.
- (b) A narrative description of the tasks to be performed, and the calculations showing the computation of the respective direct labor hours proposed for each specific task.
- (c) A description of the method used to estimate the hours, identifying assumptions used, and any cost estimating relationships.
- (d) The calculations showing the computation of the direct labor hours.
- (e) A description of each labor hour category used for the BOE. This description shall include sufficient information to allow the reader to distinguish between the different labor categories used in the proposal.

L.6.1.5.1.2 Major Subcontracts (Greater than \$20M).

- (a) A monthly time-phased breakout of the costs for each Major Subcontractor.

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(b) If there are Major Subcontractors at any level/tier (those whose total cost is expected to be greater than \$20,000,000), please provide cost information from the subcontractor equivalent to that required of the offeror, excluding Attachment X of Exhibit C. (Note: Segregate the subcontractor cost information by WBS, the same as required of the offeror's cost breakdowns.)

(c) Include the evaluation of the subcontractor's submission required by FAR 15.404-3 (b), and rationale for determining that the subcontract price is reasonable and realistic. Also state the type of subcontract the offeror anticipates (e.g. firm-fixed price, cost-plus-fixed-fee, etc.)

(d) The same type of information must be provided for inter-organizational transfers, regardless of dollar value. Please indicate whether the inter-organizational transfer includes upward or downward adjustments for contingencies or negotiation challenges and the supporting rationale.

(e) NOTE: For Major Subcontractors as defined above, if the subcontract is for purchased material and you can demonstrate that the subcontract item is either commercial or based on adequate price competition, cost information from the subcontractor is not required. Instead, provide copies of competitive subcontractor price quotes, or the kind of information noted in FAR 52.215-20(a)(1)(ii).

(f) If the Major Subcontractor declines to provide complete cost proposals to the offeror or higher-tier subcontractor, then those subcontract proposals may be submitted by the subcontractor directly to the PCO using the same submission instructions noted above. Such submissions must arrive at or prior to the due date for proposals as noted on the front page of this RFP.

L.6.1.5.1.3 Material and non-Major Subcontracts (Less than \$20M).

(a) A monthly time-phased breakout of the material / non-Major Subcontractors' cost.

(b) Provide a narrative that explains the method used to develop the proposed cost for material and subcontracts less than \$20M, including information about the extent to which the cost is based on vendor quotes, purchase order history, estimates, etc. Indicate whether the amount includes upward or downward adjustments for contingencies or negotiation challenges and supporting rationale. (Note: Segregate the subcontractor cost information by WBS, the same as required of the offeror's cost breakdowns.)

(c) High Dollar-Value Material/Subcontracts: For the items with a material/subcontract unit cost (purchase price to offeror) greater than \$100,000, provide the following information:

- (1) Item Name/Description/Part Number/Vendor, as applicable
- (2) Unit Cost (purchase price to offeror)
- (3) Quantity used
- (4) Extended Cost (unit cost multiplied by quantity used)
- (5) Basis for cost (engineering estimate, vendor quote, purchase history, etc.)
- (6) Indicate whether component is sole-source, competitive, or commercial
- (7) Cost element

(d) All Other Material: State the total amount of material cost not included in High Dollar-Value Material.

(e) NOTE: If the material / subcontract is for purchased material and it can be demonstrated that the subcontract item is either commercial or based on adequate price competition, cost information from the subcontractor is not required. Instead, provide copies of competitive subcontractor price quotes, or the kind of information noted in FAR 52.215-20(a)(1)(ii).

L.6.1.5.1.4 Other Direct Costs (ODCs).

(a) A monthly time-phased breakout of the ODCs.

(b) Depending on the offeror's accounting system, this may include costs such as computing charges, travel, etc. Identify each category of proposed ODCs, and the dollar amount for each category. Provide an explanation of what is included in each category and how the cost was estimated.

L.6.1.5.1.5 Estimated amounts generated by appropriately calibrated and validated parametric models or cost-estimating relationships (CERs) are acceptable. The offeror must identify the model(s) used, describe how the model(s) has been calibrated (for commercially available models), validated and verified, including any statistical analyses supporting the model. The offeror must provide a table(s) showing the model input(s), how the input(s) were developed and the output results of the model(s) and how they are used. If the CERs have been audited by DCAA or equivalent within the last 12 months from the date of the proposal submission, then identify the audit agency, the report number and the date of the audit report. This includes any models used to estimate software (reference L.4.1.1.5.1).

L.6.1.5.2 Provide spreadsheets showing the proposed costs for CLIN 0001. Each Spreadsheet shall be organized by cost element (i.e. Direct Labor, Subcontracts, Material, Other Direct Costs, Overhead/Indirect, Fee, etc.) time phased by quarter and totaled by calendar year. The cost breakdown must be consistent with your cost accounting system and with the data provided in the BOEs, and Attachment X of

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Exhibit C. Any discrepancies between the data in the proposed spreadsheets, the BOEs, Attachment X of Exhibit C and the BOEs table of the Database2.mdb MS Access file of Exhibit C must be explained.

The direct costs within this time-phased breakdown shall track directly with the data provided in Attachment X of Exhibit C and the offeror's BOE sheets.

Provide the following information in support of each CLIN (as defined in Section B of the RFP) Level spreadsheet:

L.6.1.5.2.1 Direct Labor. Costs for direct labor shall include the following:

(a) a quarterly time-phased breakout of the direct labor hours, by labor category (cost element) appropriate to the offeror's accounting system. Each labor category (cost element) must be included in the offeror's Attachment AA response;

(b) the labor rate for each category of direct labor, including the basis for the rate and any escalation used, and

(c) the direct labor cost (dollars).

L.6.1.5.2.2 Major Subcontracts (Greater than \$20M).

(a) a quarterly time-phased breakout of the subcontract costs, by subcontractor.

(b) each Major Subcontractor (cost element) must be included in the offeror's MS Excel "spreadsheet logic" worksheet, Attachment AA of Exhibit C response.

L.6.1.5.2.3 Material and non-Major Subcontracts.

(a) a quarterly time-phased breakout of the material/non-Major Subcontracts costs.

(b) each material/ non-Major Subcontractor (cost element) must be included in the offeror's MS Excel "spreadsheet logic" worksheet, Attachment AA of Exhibit C response.

L.6.1.5.2.4 Other Direct Costs.

(a) a quarterly time-phased breakout of the ODCs.

(b) each ODC (cost element) must be included in the offeror's MS Excel "spreadsheet logic" worksheet, Attachment AA of Exhibit C response.

L.6.1.5.2.5 Rates. Show the quarterly time phased application of the proposed direct and indirect rates.

L.6.1.5.2.6 Facilities Capital Cost of Money (FCCM): The offeror shall state the total amount estimated for FCCM and identify the Treasury Rate used to develop the amount.

L.6.1.5.2.7 Target Profit. State the Target Profit rate and the total dollar amount included.

L.6.1.5.3 Rates. Provide a list of the direct and indirect rates, by category and by year, used in the development of the proposal. The proposed rate categories must be consistent with the information provided in MS Excel "spreadsheet logic" worksheet, Attachment AA of Exhibit C. Include:

(a) The date of the current CASB Disclosure Statement;

(b) The effective date of the rates or the data that formed the basis for the rates (the date of the burden study analysis or payroll run, etc.);

(c) A narrative explaining the basis for the estimated rates. And specifically identify any Escalation factors used;

(d) State whether these rates represent a Forward Pricing Rate Submission (FPRS) or a Forward Pricing Rate Agreement (FPRA) and note the date of the agreement;

(e) State whether or not the business volume that would be generated if a contract was awarded to your firm as a result of this RFP has been included in the proposed rate package;

(f) The ending month for the offeror's fiscal year.

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(g) For each of the rate categories, provide both the prior and current fiscal year's Incurred Cost rates. Indicate if the prior year rates have been audited. For the current year's Incurred Cost rates, provide the month ending for those rates.

L.6.1.5.4 Supporting data and rationale shall be in sufficient detail to enable the Government to evaluate the realism of the offeror's proposed pricing.

L.6.1.5.5 Attachment X of Exhibit C. The offeror shall provide the data by month for Columns A through H in Worksheet "PivotTableData". A sample is provided in worksheet "Example". Any discrepancies between the data in the proposed spreadsheets, the BOEs, Attachment X of Exhibit C and the BOEs table of the Database2.mdb MS Access file of Exhibit C must be explained.

L.6.1.5.6 CRITERIA FOR ADEQUATELY PRICING PROPOSALS (Attachment 021). The offeror shall complete Attachment 021 for its proposal and for each subcontractor / interdivisional proposal at any level for which cost data is required.

L.6.1.5.7 The offeror and each Major Subcontractor shall provide the address, email and telephone number of the cognizant DCAA Field Audit Office and DCMA office.

L.6.1.6 Offeror Cost Decrements (if applicable). In support of the proposed Contract Line Item Number (CLIN) 0001 pricing, the above required information (i.e. BOEs, spreadsheets, etc.) shall reflect the cost element build-up for the offeror's proposed effort, as reflected in the non-Price Volumes of the proposal. In the event the proposed pricing reflects any form of cost decrements after presentation of this cost element build-up, to include cost discounting, expected negotiation decreases, corporate investment or management challenges, the offeror shall identify such decrements in the proposal after the G&A line (either before or after profit). Where cost decrements are proposed, identify the nature, amount and basis for the decrement, and any accounting treatment implications. Also, the offeror shall provide supporting data to substantiate the achievability of the decrement. In the event of corporate investment or management challenges that may result in the contract being performed at a loss, provide corporate level substantiating information which both recognizes the potential for performance at a loss and supports the ability of the offeror to finance contract performance in a loss position.

L.6.1.7 Share Ratios/Ceiling Price/Contract Type. Offerors shall not propose alternative share ratios, a Ceiling Price that differs from the Target Price or a Contract Type other than what this RFP requires.

L.7 Past Performance Factor Volume: The Past Performance Factor Volume is comprised of a single chapter. Offerors are responsible for including sufficient detail to permit a complete evaluation. Any information provided as part of the Past Performance Factor Volume may be used to correlate the evaluation of the other proposal volumes.

L.7.1 Past Performance Factor (Factor 4)

L.7.1.1 For the Past Performance Factor, provide information on recent and relevant contracts for (i) you, and (ii) your proposed Subcontractor(s). The offeror shall only submit a grand total of up to six (6) recent and relevant contracts. The offeror shall only submit those recent and relevant contracts for itself and its Subcontractor(s) for efforts that it proposes to be performed by the offeror and its Subcontractor(s) on the GCV IFV effort. These may include foreign, federal, state, local and private industry commercial contracts. Recent includes performance of contracts occurring within approximately three (3) years of the date of issuance of this RFP. The offeror shall briefly describe the specific work activity to be performed by itself, as the prime offeror, and by each of its significant partners/subcontractors/teammates. Relevant past performance includes any of the following scope of work activities that have a complexity of which is similar to the GCV requirements:

- (a) Concept Design and Development of military ground combat/ground tactical/other ground vehicles.
- (b) Integration of major C4ISR subsystems into a new military ground vehicle design or existing military system platform.
- (c) Integration of major weapon subsystems into a new military ground vehicle design or existing military system platform.
- (d) Integration of major armor subsystems into a new military ground vehicle design or existing military system platform.
- (e) Integration of major mobility subsystems into a new military ground vehicle design or existing military system platform.
- (f) Program Management activities, including Earned Value Management utilizing an Earned Value Management System.

L.7.1.1.1 Contract Information: For each of the up to six (6) recent and relevant contracts submitted under L.7.1.1 above, provide the following information:

- (a) Contract Number (and delivery order number if applicable) and Commercial and Government Entity (CAGE) code;
- (b) Contract Type;
- (c) Total Value of the Contract (beginning & ending value);
- (d) Contract Performance Schedule and Actual Dates of Contract Performance;
- (e) Government or commercial contracting activity address, telephone number and e-mail;
- (f) Procuring Contracting Officers (PCO) and/or Contract Specialists name, telephone number and e-mail;
- (g) Government (DCMA) or commercial administrative contracting officer (ACO), contracting officers representative (COR), performance certifier, and/or quality assurance representative (QAR), name, telephone number and email;
- (h) A description of scope of work requirements and a discussion of the similarities between the cited contract scope and the relevance

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standards identified above in L.7.1(a-f);

(i) Any significant subcontracting or teaming agreements;

(j) Percentage of effort performed as a prime or subcontractor;

(k) A brief self-assessment of contract performance for each of the contracts listed. Your self-assessment must address performance to meet Technical and Schedule requirements within estimated costs. Include an explanation for any increase in costs above estimated costs, schedule delays or failure to meet technical requirements; and

(l) Copies of the Statements of Work from each of the up to six (6) submitted contracts to establish the relevance of the contract to the scope of work activities listed in L.7.1.1.1 above.

L.7.1.1.2 Past Performance Questionnaire. A past performance questionnaire is provided in Attachment 011. For each of the up to six (6) recent and relevant contracts submitted by the offeror, and based on identification of your most recent and relevant contracts, the offeror shall send a copy of the past performance questionnaire directly to the appropriate Procuring Contracting Officer (PCO) and/or Contracting Officer's Representative (COR) or other appropriate technical and contracting individuals. The offeror shall request that these individuals complete the questionnaire and forward it electronically directly to the Government at DAMI\_GCV@conus.army.mil as soon as possible, but no later than the RFP closing date (See Block #9 of the SF33 cover page to this solicitation) with the subject heading PAST PERFORMANCE INFORMATION FOR [offeror name].

L.7.1.1.3 In addition, the offeror is requested to prepare and submit to the Contract Specialist, within thirty (30) days of the Government's posting of the RFP, a past performance matrix of the references to whom the offeror sent the past performance questionnaires. The matrix shall be sent to the Contract Specialist via email to DAMI\_GCV@conus.army.mil and shall contain the following information prepared in the following format:

- (a) Contract No./Delivery Order;
- (b) Contract/Delivery Order Type;
- (c) Program Title, including brief (200 words or less) description of work performed;
- (d) Enter "P" if performed as a prime contractor or "S" if performed as a subcontractor;
- (e) Point of Contact and Telephone Number, e-mail (PM/PCO/ACO/COR); and
- (f) Date Questionnaire sent to the Government or Contractor Point of Contact

L.7.1.1.4 Corporate Entities. If any contract, listed as part of the Past Performance Factor submission, was performed by a corporate entity or division other than the corporate entity or division that would perform work under this RFP, please identify them and indicate which entity will perform this effort. The offeror shall also provide the above requested information for any proposed Subcontractor on which the offeror is submitting past performance information.

L.7.1.1.5 Predecessor Companies. If you, or Subcontractor(s) you are submitting Past Performance Information on, only have recent and relevant performance history as a part of a predecessor company, the Government may consider that past performance in our evaluation of past performance. Please provide the information for those recent and relevant contracts of that predecessor company. Offerors must also briefly document the history of the evolution from the predecessor company.

L.7.1.1.6 Contacting References. Offerors are advised that the Government may contact any of the references that the offeror provides, may contact other third parties for performance information, and the Government reserves the right to use any information received as part of its evaluation. Offerors shall include in their proposal the written consent of their proposed Subcontractors to allow the Government to discuss the Subcontractor's past performance with the offeror.

L.7.1.1.7 Past Performance Information. The Government does not assume the duty to search for data to cure problems it finds in proposals. The burden of providing thorough and complete past performance information remains with the offeror. While the Government may elect to consider data obtained from external sources other than the proposal, the burden on providing thorough and complete past performance information rests with the offeror.

L.8 Small Business Participation Factor Volume: The Small Business Participation Factor Volume is comprised of a single chapter. Offerors are responsible for including sufficient detail to permit a complete evaluation. Any information provided as part of the Small Business Participation Factor Volume may be used to correlate the evaluation of the other proposal volumes.

L.8.1 This provision applies to every offeror (U.S. and non-U.S.), regardless of size status or locations of working facilities or headquarters.

For proposal preparation purposes, the offeror's Small Business Participation proposals shall be consistent with the subcontracting cited in the offeror's Target Price Factor Volume, and any subcontracting references/identification contained elsewhere in any other Factor Volume.

Percentages are calculated using proposed total CONTRACT amount as the denominator and include first-tier subcontractors only.

L.8.1.1 All offerors, including offerors who are themselves U.S. small business concerns based on the NAICS code assigned to this requirement, are to identify the extent to which U.S. small business concerns will be utilized as first-tier subcontractors in the performance of this proposed contract. U.S. small business concerns are defined (1) in FAR 19.001 and (2) by the criteria and size

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standards in FAR 19.102 for the applicable NAICS code. U.S. small business concerns include small businesses (SBs), small disadvantaged businesses (SDBs), woman-owned small businesses (WOSBs), HUBZone small businesses (HUBZone SBs), veteran-owned small businesses (VOSBs), service disabled veteran-owned small businesses (SDVOSBs), and historically black colleges/universities and minority institutions (HBCU/MIs).

L.8.1.2 If the offeror (to include any U.S. small business concerns who are proposing as part of a joint venture or teaming arrangement) is itself a U.S. small business concern, the offeror's own participation as a SB, SDB, WOSB, HUBZone SB, VOSB, SDVOSB, and HBCU/MI, will also be considered small business participation for the purpose of this evaluation. In this event, the extent of the offeror participation as a U.S. small business concern shall be detailed in the same manner as subcontracts to first-tier U.S. small business concerns.

L.8.1.3 Small Business Amounts: All offerors shall address anticipated U.S. small business concern participation and subcontracting based on the total contract dollars proposed by the offeror receiving the GCV IFV TD phase contract.

L.8.1.3.1 The offeror shall provide information for small business participation and subcontracting in a table format in accordance with the following example:

Small Business Participation Table

Business Category	\$Cost All Subcontracts	%of SB participation	Cost Total SubK
Total Estimated Contract Cost	\$43.00M		
SB	\$16.34M	38.0%	(\$16.34M of \$43M)
SDB	\$ 2.36M	5.5%	(\$ 2.36M of \$43M)
WOSB	\$ 1.55M	3.6%	(\$ 1.55M of \$43M)
HUBZone SB	\$ 1.08M	2.5%	(\$ 1.08M of \$43M)
VOSB	\$ 1.55M	3.6%	(\$ 1.55M of \$43M)
SDVOSB	\$ 1.46M	3.4%	(\$ 1.46M of \$43M)
HBCU/MI	\$ 0.38M	0.9%	(\$ 0.38M of \$43M)

L.8.1.3.2 Guidance for filling in the above "Small Business Participation" Table:

- (a) Include first-tier subcontractors only. Note that members of a joint venture may be considered the offeror or the first tier subcontractors, depending on the legal form of the joint venture as defined in its agreement document.
- (b) If the offeror is a U.S. small business concern, detail the extent of the offeror participation as a U.S. small business concern in the same manner as subcontracts to first tier U.S. small business concerns.
- (c) Percentages should be rounded to the nearest tenth of a percent.

L.8.1.3.3 Additional Guidance for particular Business Categories:

- (a) For "Contract Target Price": Include the offeror's proposed Contract Target Price on this line.
- (b) For SB: Include U.S. small business concerns from all categories (i.e. SB, SDB, WOSB, HUBZone SB, VOSB, SDVOSB, and HBCU/MI) in the dollars and percentage on this line. The SDB, WOSB, HUBZone SB, VOSB, SDVOSB, and HBCU/MI are subcategories of SB and the dollars in each of these may not add to match the total dollars in the SB line due to the following: In some cases the same dollars may be reported in more than one block (i.e., a \$10,000 subcontract to a Woman-Owned Small Business that is also a Service-Disabled Veteran-Owned Small Business should be entered on four rows: \$10,000 under SB, \$10,000 under WOSB, \$10,000 under VOSB and \$10,000 under SDVOSB). Be sure that the dollars are counted in the SB line only once and not four times (e.g. \$40,000 representing the same firm participating at \$10,000 in differing categories). Note that the SB percentage is not simply a total of the percentages of each SB subcategory and must be calculated separately as shown in the chart.
- (c) For SDB: Include HBCU/MI dollars, if any, in the SDB dollars and percentage on this line (except for Commercial Plans).
- (d) For HUBZone SB: Include only "SBA certified" HubZone SBs. Note that this is different from some of the state HUB certifications.

L.8.1.3.4 Small Business List: All offerors shall provide the names and CAGE codes of small business concerns (including the offeror if a small business concern) who would participate in accomplishing the proposed contract; the small business classification of each U.S. small business concern (i.e. SB, SDB, WOSB, HUBZone SB, VOSB, SDVOSB, and HBCU/MI); a short description of the specific services to be provided by each small business concern; and the estimated total dollars for each service or product.

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a. This data shall be provided in a table format in accordance with the following example:

Name of SB Concern	CAGE Code	Location	SB Class	Description of Supplies or Service	Total \$
ABC Co.	123XX	City, USA	SB	Wire	\$ 0.50M
DEF Co.	XX123	City, USA	SB	Plating	\$ 0.75M
GHI, Inc.	DD123	City, USA	SB,WOSB VOSB	Circuit Cards	\$ 1.20M

b. If a small business does not have a CAGE code, insert the word "None" in the table above. Note that during the evaluation, the Government may request that the offeror submit a letter from the small business affirming the information provided in your proposal.

c. For SB Classifications(s), list all SB classifications that apply to each concern in the table above.

L.8.2 If the offeror IS NOT a U.S. small business concern and must submit a Small Business Subcontracting Plan under this RFP in accordance with FAR 52.219-9, the Small Business Subcontracting Plan shall be consistent with the offeror's Small Business Participation proposal information provided in response to L.8 (recognizing that the Small Business Subcontracting Plan percentages will be different in that the percentage calculation denominator is total subcontracting amount as opposed to this Small Business Participation Factor where the percentage calculation denominator is the offeror's proposed Contract Target Price).

L.8.3 Compliance with FAR 52.219-9.

L.8.3.1 Offerors which are both: (a) other than U.S. small business concerns (as defined by the North American Industry Classification System (NAICS) code applicable to this RFP), and (b) have had prior contracts requiring the submission of a Small Business Subcontracting Plan in accordance with FAR 52.219-9 are to:

Provide a description of their performance in complying with the requirements of FAR 52.219-9, including documentation of both their goals and their accomplishment of the goals established under subcontracting plans of prior contracts performed over the past twelve (12) months (from date of solicitation issuance). This documentation shall include Individual Subcontracting Reports (ISRs/DD Form 294s) which list both goals and accomplishments against individual or master plans. If over the last twelve (12) months from the date of RFP release, the offeror reported accomplishments against commercial or comprehensive subcontracting plans in lieu of individual or master plans, the offeror shall submit the plans to document the goals and the Summary Subcontract Reports (SSRs/DD Form 295s) to document the accomplishments. (Note: if the offeror has not performed a contract over the past twelve (12) months, which included FAR 52.219-9, the offeror shall so state).

L.8.3.2 Offerors which have had prior contracts requiring a Small Business Subcontracting Plan IAW FAR 52.219-9 and provide the information requested in L.8.3 of this RFP shall not respond to L.8.4 below.

L.8.3.3 If the reporting entity listed on a subcontracting report is different from the name of the proposing prime, provide an explanation of the legal relationship between the other entity and the proposing prime and a description of how the other entity's small business accomplishments reported are applicable to the current proposal. This explanation should include Business Name, CAGE Code and DUNS number of the other entity and the proposing prime.

L.8.4 Approach to meeting FAR 52.219-8. Offerors which are either U.S. small business concerns, or other than U.S. small business concerns (as defined by the North American Industry Classification System (NAICS) code applicable to this RFP) having had no prior contracts requiring a Small Business Subcontracting Plan in accordance with FAR 52.219-9 shall substantiate their proposed approach to meeting the requirement of FAR 52.219-8. Substantiation may include providing:

- (a) a description of the offeror's performance, over the past twelve (12) months (from date of solicitation issuance), in complying with the requirements of FAR 52.219-8 (Note: if the offeror has not performed a contract over the past twelve (12) months (from date of solicitation issuance), which included FAR 52.219-8, the offeror shall so state);
- (b) a description and available documentation of any methods or techniques used to promote small business participation;
- (c) any listings of U.S. small business concerns who are subcontracting candidates;
- (d) internal procedures used to monitor small business participation during contract performance; and/or
- (e) any other information substantiating that the offeror will satisfy the requirements of FAR 52.219-8.

L.9 Proposal Terms and Conditions

L.9.1 Any information provided as part of the Proposal Terms and Conditions Volume may be used to correlate the evaluation of the other proposal volumes.

L.9.2 Submit two (2) signed copies of the Standard Form 33 (SF33) cover page and a copy of all completed fill-ins for Sections A through K, including all signed copies of Amendments to the RFP. ORCA certifications need not be separately submitted.



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L.9.2.1 Where certifications/approved systems are required for an offeror, if the proposal is being submitted by a Joint Venture, certifications and approved systems for the principals (partners) of the joint venture will be considered as valid for that offeror providing the necessary documentation from all principals (partners) is provided with the proposal.

L.9.3 A statement specifying agreement with all terms, conditions, and provisions included in the solicitation or any exceptions. Any exceptions taken to the attachments, exhibits, enclosures, or other RFP terms, conditions, or documents must be fully explained; however, any such exceptions may be grounds for the Contracting Officer to reject the proposal from further consideration in the source selection process, before initial evaluation.

L.9.4 Large business offerors as defined by the North American Industry Classification System (NAICS) code applicable to this RFP, 336992, shall submit an acceptable small business subcontracting plan in accordance with Department of Defense FAR Supplement (DFARS) 252.219-7003 and provide this plan as part of the proposal submission.

L.9.5 In accordance with the applicable DFARS clauses contained in the RFP, identify and assert any and all restrictions on the Government's use, release or disclosure of technical data and computer software rights. Applicable accounting records supporting these asserted restrictions shall be made available upon request.

L.9.6 Include documentation demonstrating, as applicable, that the offeror and Subcontractors have the following certifications:

- (a) Facility Clearance for any location that will handle classified material (Special Access Information)
- (b) Information System Security Clearance for any location that will handle classified material (Special Access Information)
- (c) DCMA Approved Accounting System If an offeror does not currently have a DCMA Approved Accounting System, the offeror shall provide the reason for this as well as documentation demonstrating when an approved system will be in place. If the offeror is operating under a corrective action plan agreed to by DCMA, documentation including a letter from the cognizant Administrative Contracting Officer reflecting this, shall be provided.

L.9.6.1 For IT System General Controls, Billing, Purchasing, Compensation, Labor, Material Management and Indirect/ODC systems the offeror and Major Subcontractors at any level shall provide the status of these controls/systems.

L.9.7 Include the written consent of its proposed Subcontractors to allow the Government to discuss the Subcontractor's past performance with the offeror.

L.9.8 Include the agreements with each GSC in accordance with Section L.1.3 and its subparagraphs.

L.9.9 Submit documentation regarding the status of the offeror's Earned Value Management System (EVMS). Such documentation would typically be in the form of a letter from Defense Contract Management Agency. If the offeror does not currently have an approved Earned Value Management System, submit its plan for compliance with the EVMS guidelines referenced in DFARS 252.234-7002.

L.10 Organizational Conflict of Interest.

L.10.1 The provisions of FAR 9.5, "Organizational Conflict of Interest" (OCI), applies to any award under this RFP. Potential offerors should review their current and planned participation in any other Government contracts, subcontracts, consulting, or teaming arrangements where they may be in a position of actual or perceived bias or unfair competitive advantage. A common example with the potential for OCI is where an entity performs work both as a system contractor/subcontractor and as a Government support contractor for Government offices involved in GCV IFV or related programs.

L.10.2 Offerors should disclose any potential OCI situations to the Contracting Officer as soon as identified including prior to proposal submission. The disclosure should include the facts and an analysis of the actual or perceived conflict and a recommended approach(es) to neutralize or mitigate the potential conflict. The preferred approach to potential conflicts is to negate/obviate the conflict. Mitigation is considered only if it is not practical to negate/obviate the conflict. The Contracting Officer will promptly respond to resolve any potential conflicts.